

Region 3 GPRA Baseline RCRA Corrective Action Facility

Former British Petroleum Exploration and Oil Company, Inc.

**4100 Post Road
Marcus Hook, PA 19061
Congressional District 7
EPA ID #: PAD071612683
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Current Progress at the Site

The former British Petroleum (BP) Oil Refinery (the "Facility") in Trainer, Pennsylvania is now run by the TOSCO Corporation under the name of Bayway Refinery. In 1989, EPA initiated a RCRA Facility Assessment (RFA) at the Facility. In 1991, EPA finalized the RFA Report and 27 Solid Waste Management Units (SWMUs) and 15 Areas of Concern (AOCs) required further action/examination.

Since 1991, EPA and the Pennsylvania Department of Environmental Protection (PADEP) have been involved in an extensive evaluation of the Facility's SWMUs and AOCs in order to determine their potential for environmental contamination. The time line below illustrates what has been accomplished at the Facility to date:

1994: Joint EPA and PADEP Multi-Media Inspection at the Facility; all areas of the Facility were examined in terms of their potential for releases to air, water and soil media.

1991-1996: BP conducts clean-up activities at the Facility.

1996: Under the Work Share Program, PADEP performed a follow-up SWMU/AOC examination at the Facility in order to further define which of the Facility's SWMUs and AOCs would require additional work. In the end, 3 AOCs and 3 SWMUs were found to require further action. The beginning of a Facility shut-down occurred, and work to address the actions needed for specific Facility SWMUs and AOCs commenced.

1997: TOSCO purchases the Facility and operates it as Bayway Refinery; work related to the Facility SWMUs and AOCs that needed additional attention was completed. The only SWMU that was not located was SWMU 88, the Lead Tank Bottom Pits.

1998: PADEP approves the work done by BP. One SWMU, (#37-the Alkyl Basin) will require a closure plan as it was once a permitted unit with the PADEP Bureau of Waste Management. TOSCO and BP officials expect to address any further clean-up issues for the Facility under Act 2, which is administered by the PADEP Environmental Clean-Up Program. BP also submits SWMU and AOC Final Cleanup Status Report to EPA for review and comment.

2000: BP proposes to investigate and remediate the Facility under Pennsylvania's Land Recycling and Environmental Remediation Standards Act (Act 2). BP submits Site Wide Approach Workplan to identify the manner in which BP intends to implement a "Facility Lead" Agreement with EPA for the Facility under RCRA.

2001: BP initiates site characterization activities.

Quarterly sampling events are monitored currently to support the Facility's ongoing investigation and remediation activities.

2003: BP initiates Leaded Tank Bottom (LTB) investigation at the Facility

Site Description

The Facility is a 350-acre refinery on the Delaware River in Trainer, Pennsylvania. The Facility is surrounded by both commercial and industrial properties and densely populated residential areas. The Facility has a process capacity of approximately 165,000 barrels per day. Products manufactured by the Facility include gasoline, kerosene, residual fuel oils, aviation fuel, and liquefied petroleum gas. Products manufactured by the refiner are stored onsite before transport to customers. The site is mostly covered by concrete, asphalt, or structures.

Site Responsibility

RCRA Corrective Action activities at BP are being conducted under the direction of a joint lead by EPA and PADEP. The investigation and any necessary clean up activities are being implemented in accordance with an EPA Facility Lead Agreement.

Contaminants

The main contaminants in the Facility are typical hazardous petroleum constituents such as benzene, toluene, ethyl benzene, total xylene, semi-volatile organic compounds, arsenic, chromium and lead.

Community Interaction

EPA and PADEP will publish jointly a public notice of a Corrective Action Determination which concludes that BP has addressed the release or threat of release of hazardous constituents from all of the SWMUs and AOCs identified at the Facility. Tentative date for the public notice will be scheduled after the finalization of Final Cleanup Report.

Government Contacts

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For more information about EPA's corrective action webpage, including Environmental Indicators, please visit our site at: www.epa.gov/reg3wcmd/correctiveaction.htm

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